Electronic Acknowledgement Receipt

EFS ID:	5071362
Application Number:	10789311
International Application Number:	
Confirmation Number:	9201
Title of Invention:	Method and apparatus for implementing processor instructions for accelerating public-key cryptography
First Named Inventor/Applicant Name:	Sheueling Chang Shantz
Customer Number:	58467
Filer:	Robert C. Kowert/Dena Poudrier
Filer Authorized By:	Robert C. Kowert
Attorney Docket Number:	6000-31500
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Application Type:	Utility under 35 USC 111(a)

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Payment Type	Deposit Account
Payment was successfully received in RAM	$180
RAM confirmation Number	2542
Deposit Account	501505
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	
Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed (SB/08)	IDS3.pdf	667736 9bab3d6d0e97d467d6ce484d4cce292fb2b2e0e5	no	8
Warnings:					
Information:					
2	NPL Documents	A-Compact-Fast-Variable.pdf	171180 cfc55cc5e3ce39b10f46f63cacf83cef967aec33	no	2
Warnings:					
Information:					
3	NPL Documents	Additional-ECC-Groups-for-IKE.pdf	703606 298133d7ca7ab931-3c27b41c2632f004b127a33	no	18
Warnings:					
Information:					
4	NPL Documents	A-Fast-Algorithm-for-Computing.pdf	255656 37da41b63dce6c8eec882e73794551b6481b91a8	no	4
Warnings:					
Information:					
5	NPL Documents	A-High-Performance-Reconfigurable-Elliptic.pdf	1235431 9758fd6339d7d19b951e5cd5e0c6e2cf6a602e3	no	16
Warnings:					
Information:					
6	NPL Documents	An-Energy-Efficient-Reconfigurable-Public-Key.pdf	1264887 fdaa54dbd28ac11f60f09cd63cd05e01b49efa3f	no	14
Warnings:					
Information:					
7	NPL Documents	An-Implementation-of-Elliptic.pdf	796065 70f3660c84d3cbd21780d2faf5a436f6c1925ee	no	10
Warnings:					
Information:					
8	NPL Documents	COMBA_Exponentiation_Cryptosystems.pdf	962990 3c76119694b515400d4bcb5c2501886bdddf122b93	no	13
Warnings:					
Information:					

9	NPL Documents	Digital-Signature-Standard-DSS.pdf	1880127 e1012bb1a680af88ba70d16e127f8a85ca7bb19	no	76

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Information:

| 10 | NPL Documents | ECC-Cipher-Suites-for-TLS-031501.pdf | 834279
 9dd1caeec4bb23497a83b589d926951719ea9187 | no | 22 |

Warnings:

Information:

| 11 | NPL Documents | ECC-Cipher-Suites-for-TLS.pdf | 897679 <br> ab6j2e7b39a267b2ea4f939003abc51618199bc2 | no | 32 |

Warnings:

Information:

| 12 | NPL Documents | Efficient-Algorithms-for-Elliptic-Curve-Cryptosystems.pdf | 842966
 4f3f83c3f16052b415863f79768dda7b148bbb6 | no | 16 |

Warnings:

Information:

| 13 | NPL Documents | Elliptical-Curve-Cryptography-on-Smart-Cards.pdf | 3539602 <br> abaeb759b255a76dbad9e317e71b0e5149f8196 | no | 90 |

Warnings:

Information:

| 14 | NPL Documents | Elliptic-Curve-Cryptography.pdf | 1750123 <br> ed6e664e34df8c49d9d0f272ee5bcc9e9aa49f60 | no | 22 |

Warnings:

Information:

| 15 | NPL Documents | Elliptic-Curve-Cryptosystems.pdf | 535310
 0b192c1d66a8894c9284b087c73e8dd34d8cd585a | no | 8 |

Warnings:

Information:

| 16 | NPL Documents | ERDEM_A_Less_Recursive_Variant.pdf | 447153
 4730b809fcf2a5fab5629b62eaca3105d09170c1 | no | 8 |

Warnings:

Information:

| 17 | NPL Documents | Fast-Key-Exchange.pdf | 1575010
 2890d4ab0b5d4c5e9700157fc33a71d94ffa6cb | no | 14 |

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18	NPL Documents	Fast-Multiplication-on-Elliptic-Curves.pdf	689314 8dac1db0663934a5feb92836ef94c744a8be0269	no	12
Warnings:					
Information:					
19	NPL Documents	From-Euclids-GCD-to-Montgomery.pdf	542033 bcf6b3e2e654a26a0be4f2b2e14a6796717913	no	14
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20	NPL Documents	Generalizations-of-the-Karatsuba-Algorithm.pdf	736556 46df89b70ec81d19e88a3c00ddba20a1e6c1f8c6	no	24
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21	NPL Documents	GUPTA_Speeding_up_Secure_Web_Transactions.pdf	703045 49394d2cd7f7623c88f32296d302bfc75938b385	no	9
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22	NPL Documents	GURA_Comparing_Elliptic_Curve_Cryptographic_and_RSA.pdf	760992 91e4f2c40cd6dd5cd70f1bc8f3163bd49d2f1e5	no	14
Warnings:					
Information:					
23	NPL Documents	HANKERSON_Guide_to_Elliptic_Curve.pdf	3937201 381e5e6bfcbf76ca0eaaa40f8d8629aaaa84624	no	57
Warnings:					
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24	NPL Documents	HASEGAWA_A_Practical_Implementation_of_Elliptic_Curve_Cryptosystems.pdf	1311083 1b454064aed2e71b31142977a521fd308709002	no	14
Warnings:					
Information:					
25	NPL Documents	High-Radix.pdf	449413 08e93b895bb7cf259f8deabb044ec958eadb2279	no	6
Warnings:					
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26	NPL Documents	Incomplete-Reduction.pdf	510750 7694e6fb232132dcb321747e89a8b7f0af9acef8b	no	8
Warnings:					
Information:					

27	NPL Documents	KALISKI_TWIRL_and_RSA_Key_Size.pdf	347274 83055246e30d0475782ecefb352f365ae700d823	no	5
Warnings:					
Information:					
28	NPL Documents	KARATSUBA_Ymnozhenie_mnogozhachnix.pdf	337539 68feb491e787f81ccabb4f16f5bea9a92d5e4658	no	4
Warnings:					
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29	NPL Documents	Low-Energy-Digit-Serial-Parallel-Finite.pdf	969608 1313b3ba3df5b40e9531f9ab5c8a8ca95ca1af70dd9	no	18
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30	NPL Documents	Mastrovito-Multiplier.pdf	932278 ad4a839670d0a3bc678512ecf2ce35afea8b60c923	no	16
Warnings:					
Information:					
31	NPL Documents	Rapid-Prototyping.pdf	471348 ff31b7af11ee5e3440f8d139cde15e02d8fc472	no	6
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32	NPL Documents	Reconfigurable-implementation.pdf	602384 3dc39ca3836372a8d8b5f78fbdfbab15b6b04a70d0	no	8
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33	NPL Documents	RFC-2246-on-The-TLS-Protocol.pdf	3045563 34b39b6b1000edca244f724def6b5e42019f15d05	no	82
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Information:					
34	NPL Documents	Software-Implementation.pdf	302818 4c77edde3e4f06dc58f05812d6a95cf4014c7c2ac	no	24
Warnings:					
Information:					
35	NPL Documents	Standards-for-Efficient-Cryptography.pdf	1923644 650730d58638ec34c0e7e28137bf5b78f07809477fc	no	52
Warnings:					
Information:					

36	NPL Documents	Use-of-Elliptic-Curves.pdf	547568 1499b326a66f4b915f1a53edce0fa7f9e67e a6b8	no	10

Warnings:

Information:

37	Fee Worksheet (PTO-06)	fee-info.pdf	30226 279e7b3dabb1da138e37e8295a46810efc5 33435	no	2

Warnings:

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		Total Files Size (in bytes):	37510437

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New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.